Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/09/2020 09:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125515	0	2.72	125623	2.72
Blue	F	SSC	125000	124586	-1	1.82	125315	1.80
Blue	E	FITC	15892	15527	-3	2.91	337	21.71
Blue	D	PE	29999	29405	-2	2.01	643	15.61
Blue	B	PerCP-Cy5-5	43732	43563	-1	3.83	1174	21.56
Blue	A	PE-Cy7	30845	30653	-1	6.38	582	43.44
Red	C	APC	46112	45003	-3	2.53	1586	12.47
Red	A	APC-Cy7	30458	29211	-5	2.37	774	12.20
Violet	B	V450	7918	7583	-5	4.39	432	13.54
Violet	A	V500	32171	31012	-4	4.16	726	10.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16888	14.91	655	34	N/A	N/A	Pass
Blue	F	SSC	57353	1.32	585	26	N/A	N/A	Pass
Blue	E	FITC	62	67.39	554	11	0.0167	124	Pass
Blue	D	PE	134	51.50	560	12	0.1348	230	Pass
Blue	B	PerCP-Cy5-5	214	52.67	668	12	0.0080	47	Pass
Blue	A	PE-Cy7	107	109.24	713	15	0.0097	19	Pass
Red	C	APC	380	25.32	591	7	0.0225	80	Pass
Red	A	APC-Cy7	172	29.45	561	5	0.0054	1085	Pass
Violet	B	V450	65	59.30	462	4	0.0422	1609	Pass
Violet	A	V500	108	33.25	478	4	0.0225	661	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-33.01	-32.42	1.01
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.02	13.60 - 20.40	N/A	N/A	29.60	30.16	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9554

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments